

Amendments to the Specification:

Please replace the paragraph at page 1, from line 2 through line 6, with the following paragraph:

-- This is a Continuation-in-Part of U.S. Application No. 10/764,238, filed January 23, 2004, which application claims the priority of U.S. Provisional Application No. 60/457,533, filed March 25, 2003, and also claims the foreign priority of United Kingdom Patent Application No. UK 0301566.5 0301566.6, filed January 23, 2003, the entirety of each of which is incorporated herein by reference. --

Please replace the paragraph at page 33, from line 11 through line 12, with the following paragraph:

-- **Figure 42** shows the polynucleotide and polypeptide sequences for the identified genes provided in Table 1B.

Gene Identification Number 4885582 corresponds to SEQ ID NO: 174.

Protein Identification Number 4885583 corresponds to SEQ ID NO: 175.

Gene Identification Number 13699865 corresponds to SEQ ID NO: 176.

Protein Identification Number 11496279 corresponds to SEQ ID NO: 177.

Gene Identification Number 12711484 corresponds to SEQ ID NO: 178.

Protein Identification Number 12711485 corresponds to SEQ ID NO: 179.

Gene Identification Number 297101 corresponds to SEQ ID NO: 180.

Protein Identification Number 297102 corresponds to SEQ ID NO: 181.

Gene Identification Number 4502356 corresponds to SEQ ID NO: 182.

Protein Identification Number 4502357 corresponds to SEQ ID NO: 183.

Gene Identification Number 7662207 corresponds to SEQ ID NO: 184.

Protein Identification Number 7662208 corresponds to SEQ ID NO: 185.

Gene Identification Number 4507274 corresponds to SEQ ID NO: 186.

Protein Identification Number 4507275 corresponds to SEQ ID NO: 187.

Gene Identification Number 4507830 corresponds to SEQ ID NO: 188.

Protein Identification Number 4507831 corresponds to SEQ ID NO: 189.

Gene Identification Number 4505836 corresponds to SEQ ID NO: 190.

Protein Identification Number 4505837 corresponds to SEQ ID NO: 191.

Gene Identification Number 4759051 corresponds to SEQ ID NO: 192.

Protein Identification Number 4759052 corresponds to SEQ ID NO: 193.

Gene Identification Number 6063018 corresponds to SEQ ID NO: 194.

Protein Identification Number 6063019 corresponds to SEQ ID NO: 195.

Gene Identification Number 21071078 corresponds to SEQ ID NO: 196.

Protein Identification Number 10092615 corresponds to SEQ ID NO: 197.

Gene Identification Number 21361100 corresponds to SEQ ID NO: 198.

Protein Identification Number 21361101 corresponds to SEQ ID NO: 199.

Gene Identification Number 8923529 corresponds to SEQ ID NO: 200.

Protein Identification Number 8923530 corresponds to SEQ ID NO: 201.

Gene Identification Number 10435341 corresponds to SEQ ID NO: 202.

Gene Identification Number 9963850 corresponds to SEQ ID NO: 203.

Protein Identification Number 9963851 corresponds to SEQ ID NO: 204.

Gene Identification Number 16357473 corresponds to SEQ ID NO: 205.

Protein Identification Number 16357474 corresponds to SEQ ID NO: 206.

Gene Identification Number 10799802 corresponds to SEQ ID NO: 207.

Protein Identification Number 10799803 corresponds to SEQ ID NO: 208.

Gene Identification Number 4503458 corresponds to SEQ ID NO: 209.

Protein Identification Number 4503459 corresponds to SEQ ID NO: 210.

Gene Identification Number 606756 corresponds to SEQ ID NO: 211.

Protein Identification Number 606757 corresponds to SEQ ID NO: 212.

Gene Identification Number 604499 corresponds to SEQ ID NO: 213.

Protein Identification Number 604500 corresponds to SEQ ID NO: 214.

Gene Identification Number 1488262 corresponds to SEQ ID NO: 215.

Protein Identification Number 1488263 corresponds to SEQ ID NO: 216.

Gene Identification Number 1616778 corresponds to SEQ ID NO: 217.

Protein Identification Number 1616779 corresponds to SEQ ID NO: 218.

Gene Identification Number 1894946 corresponds to SEQ ID NO: 219.

Protein Identification Number 1894947 corresponds to SEQ ID NO: 220.

Gene Identification Number 297049 corresponds to SEQ ID NO: 221.

Protein Identification Number 297050 corresponds to SEQ ID NO: 222.

Gene Identification Number 22067477 corresponds to SEQ ID NO: 223.

Protein Identification Number 14776113 corresponds to SEQ ID NO: 224.

Gene Identification Number 1914774 corresponds to SEQ ID NO: 225.

Protein Identification Number 1914775 corresponds to SEQ ID NO: 226. --

Please replace the paragraph from page 101, line 23 through page 102, line 10, with the following paragraph:

-- Preferably, the polynucleotide, polypeptide, compound or vector, etc described here may be delivered into cells by being conjugated with, joined to, linked to, fused to, or otherwise associated with a protein capable of crossing the plasma membrane and/or the nuclear membrane (i.e., a membrane translocation sequence). Preferably, the substance of interest is fused or conjugated to a domain or sequence from such a protein responsible for the translocational activity. Translocation domains and sequences for example include domains and sequences from the HIV-1-trans-activating protein (Tat), *Drosophila* Antennapedia homeodomain protein and the herpes simplex-1 virus VP22 protein. In a highly preferred embodiment, the substance of interest is conjugated with penetratin protein or a fragment of this. Penetratin comprises the sequence RQIKIWFQNRRMKWKK (SEQ ID NO: 1) and is described in Derossi et al., 1994, *J. Biol. Chem.* 269:10444-50; use of penetratin-drug conjugates for intracellular delivery is described in WO 00/01417. Truncated and modified forms of penetratin may also be used, as described in WO 00/2927. --

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Please replace the paragraph at page 147, from line 1 through line 4, with the following paragraph:

-- MS

Sense : UGAGAAUGUGAUGCGCGUCTT (SEQ ID NO: 2)

Antisense: GACGCGCAUCACAUUCUCATT (SEQ ID NO: 3) --

Please replace the paragraph at page 148, from line 1 through line 3, with the following paragraph:

-- Survivin (Survivin B, SurB, SURB, SUR)

Sense : GAACUGGCCUUCUJUGGAGtt (SEQ ID NO: 4)

Antisense: CUCCAAGGAAGGGCCAGUUCtt (SEQ ID NO: 5) --

Please replace the paragraph at page 148, from line 6 through line 8, with the following paragraph:

-- PI3KR1

Sense : AUGAUCGAUGUGCACGUUUtt (SEQ ID NO: 6)

Antisense: AAACGUGCACAUCGAUCAUtt (SEQ ID NO: 7) --

Please replace the paragraph at page 148, from line 10 through line 13, with the following paragraph:

-- BCL2

Sense : GUACAUCCAUUAUAAGCUGtt (SEQ ID NO: 8)

Antisense: CAGCUUAUAAUGGAUGUACtt (SEQ ID NO: 9) --

Please replace the paragraph at page 148, from line 14 through line 16, with the following paragraph:

-- c-Raf (CRAF)

Sense : UAGUUCAGCAGUUUGGUAtt (SEQ ID NO: 10)

Antisense: UAGCCAAACUGCUGAACUAtt (SEQ ID NO: 11) --

Please replace the paragraph at page 151, from line 8 through line 9, with the following paragraph:

-- QPCR Primers, designed by MWG Biotech as described previously, are as follows.

Gene	Forward Primer (5'-3')	Reverse Primer (5'-3')
OAS1 (NM_002534)	GCGCCCCACCAAGCTCAAGA (SEQ ID NO: 12)	GTCCGAAATCCCTGGGCTGTGTT (SEQ ID NO: 13)
GBP1 (NM_002503)	TATGGTGGTGGTGGCAATTG TGG (SEQ ID NO: 14)	ACGGCCAGGGCGAAGATCC (SEQ ID NO: 15)

Please replace Table 4 at page 183, with the following Table 4:

-- TABLE 4 QPCR primers for Target Genes:

Gene	Forward Primer (5'-3')	Reverse Primer (5'-3')
MAK	GGGAGCTGGTGGCCATCAAAA (SEQ ID NO: 16)	TGGATAAAAGCCAGCCCTTGCA (SEQ ID NO: 17)
GPR86	TGAGCGGTGCCAGAGACA (SEQ ID NO: 18)	CAGGGTGCCAGGTGTGAGTCAGA (SEQ ID NO: 19)
PCTAIRE	GCCGCTCAGCCGCATGTCC (SEQ ID NO: 20)	GGCGCTCCCTCCTCGTGCTC (SEQ ID NO: 21)
GRAF	CAGCGAAGCGGAAGTTGCAGA (SEQ ID NO: 22)	CTTCCTTGGCAGCCCCGATC (SEQ ID NO: 23)
MPSK1	CGCGCTGTGTCTGCTCTCG (SEQ ID NO: 24)	GCGAAGGATGTTGGGGTGATTG (SEQ ID NO: 25)
RBS5PK	GCCGCCAAAAAGTGCCTGC (SEQ ID NO: 26)	TCCTTCATCATTCGACTCCTGGC (SEQ ID NO: 27)

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TLK2	GCAGTTCCGCCAAAGCCAGTA (SEQ ID NO: 28)	GGACGCCCCAGAGGTTGATGC (SEQ ID NO: 29)
EK1	CGGGCCGGGCTCAGTTCA (SEQ ID NO: 30)	CGGC GGAGACTACCACCGA (SEQ ID NO: 31)
MKNK	CAAGCAGGGCACAGTCGGAGTAG (SEQ ID NO: 32)	CGGCTGGCTTCTCGCTCATTG (SEQ ID NO: 33)
NTKL	GGCAGCCCCGTGTCCATCTTC (SEQ ID NO: 34)	CCAGCCTCCACTCTCGCCTTGA (SEQ ID NO: 35)
CDC42	CAAAGCGAGAACGGCATAACGAG (SEQ ID NO: 36)	CCGGGCATCTTCTCGTCACTG (SEQ ID NO: 37)
RBSK	GGCGCGTCTGGGAACC (SEQ ID NO: 38)	AGCCGAGCAGCTGGACACACTG (SEQ ID NO: 39)
EDG6	CGGCGGTCAACCCCATCATCT (SEQ ID NO: 40)	CCCGCATCCGAAAGCTGAGC (SEQ ID NO: 41)
CNK/PRK	CGCGGACCTGAGCTGGAGATG (SEQ ID NO: 42)	TGGCGACGCGGCTCTGC (SEQ ID NO: 43)
MAPKK5	CGGGCCGCAGTTACTCTTCAGG (SEQ ID NO: 44)	CCGGCCCCGAGTATTCACCTCA (SEQ ID NO: 45)
P14KB	CGGAGGGGTCGGGAAC (SEQ ID NO: 46)	GCGGCCCATCTCATCTTC (SEQ ID NO: 47)
FLT4	TGCCGTGAACCCCATCGAGAG (SEQ ID NO: 48)	CGTGGACAGGTTGAGGCGGTAC (SEQ ID NO: 49)
PSKH1	CCCGAGCCACCCAAGGATGTC (SEQ ID NO: 50)	GGCCCTGCGTGGTGGTTCTGA (SEQ ID NO: 51)
ITPKC	AGCCGGACAGCAGCGACCT (SEQ ID NO: 52)	TTTGCTTGGGCCTCTCGGTCTC (SEQ ID NO: 53)
ROCK	GTGGGCTTGGGAAACGCTC (SEQ ID NO: 54)	TCTGCATTGGAGCTAGTTCTGTTAT C (SEQ ID NO: 55)

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Please replace Table 8 at page 187, with the following Table 8:

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Table 8. Q-PCR primers for target genes and relevant control genes.

Gene	Forward Primer (5' to 3') ¹	Reverse Primer (5' to 3') ¹	Conc. ²
GRAF	GATAGTCGCAC TTCCG (SEQ ID NO: 56)	GAGTGACTCCCGTCCTT (SEQ ID NO: 57)	100 nM
ULK1	GACTTCCAGGAAATGGCT (SEQ ID NO: 58)	AGAGCCTGATGGTGT CCT (SEQ ID NO: 59)	100 nM

EKI	CGTCGTGGTAGTCTC <u>(SEQ ID NO: 60)</u>	GATGCTCCTCCTGATCCT <u>(SEQ ID NO: 61)</u>	100 nM
ROCK1	GCATAAAATCCACCAGGAA <u>(SEQ ID NO: 62)</u>	ATGTCCTTCTTCCCAG <u>(SEQ ID NO: 63)</u>	100 nM
NTKL	TACCTCAAGGCGAGAGTG <u>(SEQ ID NO: 64)</u>	CAGTCGTTGACCAGGAAG <u>(SEQ ID NO: 65)</u>	100 nM
RBSK	ATACGGAGGATCTGAGGG <u>(SEQ ID NO: 66)</u>	TCCAAAGAAGTTGCTGGA <u>(SEQ ID NO: 67)</u>	100 nM
DAGK	GGAAGGTGACGCTCACCAAG <u>(SEQ ID NO: 68)</u>	ACATGAAATTGCAGACGTCGC <u>(SEQ ID NO: 69)</u>	200 nM
ITPKC	CAGACGGACAGACTGAGC <u>(SEQ ID NO: 70)</u>	TCCATTCTAGATGCGTCC <u>(SEQ ID NO: 71)</u>	100 nM
UKH	TGCAGTACGATGTGCTTG <u>(SEQ ID NO: 72)</u>	CAGCACTTCCTGGTCTG <u>(SEQ ID NO: 73)</u>	100 nM
BAI2	CCTGCTGAGGCCGATTG <u>(SEQ ID NO: 74)</u>	TTTCACTTCCGGTTCCTCTTCC <u>(SEQ ID NO: 75)</u>	100 nM
GPR12	AAGGTCAATTAAAGGGGGCTG <u>(SEQ ID NO: 76)</u>	TCTGGCTCTACGGCAGGAAC <u>(SEQ ID NO: 77)</u>	200 nM
GPR86	AGGTGACACTGGAAGCAA <u>(SEQ ID NO: 78)</u>	CACTGTGTAGAGGGCTGG <u>(SEQ ID NO: 79)</u>	100 nM
Bcl2	CACGCTGGAGAACAGGGT <u>(SEQ ID NO: 80)</u>	CACATCTCCCGCATCCCA <u>(SEQ ID NO: 81)</u>	100 nM
Survivin B	TCAAGGACCACCGCATCTCT <u>(SEQ ID NO: 82)</u>	CAGTGGATGAAGCCAGCCTC <u>(SEQ ID NO: 83)</u>	100 nM
GAPDH	CGACCACTTGTCAAGCTCA <u>(SEQ ID NO: 84)</u>	GGGTCTTACTCCTGGAGGC <u>(SEQ ID NO: 85)</u>	100 nM

¹Primers are synthesised by MWG-Biotech. ²The final concentration of each primer in a Q-PCR reaction.

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Please replace Table 9 at page 188, with the following Table 9:

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Table 9. Sequence of siRNA oligonucleotides.

Gene	Sense Oligonucleotide (5'-3')	Antisense Oligonucleotide (5'-3')
GRAF	GCAGGAAGUUUGCAGAUUCCtt <u>(SEQ ID NO: 86)</u>	GGAAUCUGCAAACUUCCGCtt <u>(SEQ ID NO: 87)</u>
ULK1 ¹	GGAACUGAAACAUGAAAACtt <u>(SEQ ID NO: 88)</u>	GUUUUCAUGUUUCAGUUCCtt <u>(SEQ ID NO: 89)</u>
EKI	GCACUGGAUCCAAAGCAUGtt <u>(SEQ ID NO: 90)</u>	CAUGCUIJUGGAUCCAGUGCtt <u>(SEQ ID NO: 91)</u>

ROCK	UACAUGCCUGGUGGAGAUCtt <u>(SEQ ID NO: 92)</u>	GAUCUCCACCAGGCAUGUAtt <u>(SEQ ID NO: 93)</u>
NTKL	UGUGGGAGCUGAUGAAGCACtt <u>(SEQ ID NO: 94)</u>	GUGCUUCAUCAGCUCCACAtt <u>(SEQ ID NO: 95)</u>
RBSK	CGUCCUGGAGUGACAA AUGtt <u>(SEQ ID NO: 96)</u>	CAUUUGUCACUCCAGGACGtt <u>(SEQ ID NO: 97)</u>
DAGK ¹	GGCUGGCACAACAAGGGUGUtt <u>(SEQ ID NO: 98)</u>	ACACCCUUGUUGUGCAGCCtg <u>(SEQ ID NO: 99)</u>
ITPKC	GUCCUGGGCUGAUACCUCtt <u>(SEQ ID NO: 100)</u>	GAGGUUAUCAGCCCAGGACtt <u>(SEQ ID NO: 101)</u>
UKH	AGCGCAAGACACUCUGUGGtt <u>(SEQ ID NO: 102)</u>	CCACAGAGUGUCUUGC GCUtt <u>(SEQ ID NO: 103)</u>
BAI2 ¹	GGACCUGUUUGGUACCAUCtt <u>(SEQ ID NO: 104)</u>	GAUGGUAGGAAAGAGGUCCtg <u>(SEQ ID NO: 105)</u>
GPR12 ¹	GGACGGUCACGUUUACCUAtt <u>(SEQ ID NO: 106)</u>	UAGGUAAACGUGACCGUCCtc <u>(SEQ ID NO: 107)</u>
GPR86	AAACACUUU UGGUGGCCGACtt <u>(SEQ ID NO: 108)</u>	GUCGGCCACCAAAGUGUUUtt <u>(SEQ ID NO: 109)</u>
¹ siRNA sequences designed and synthesised by Ambion.		

-- Please replace Table 11 at page 189, with the following Table 11:

-- TABLE 11

Gene	Sense Oligonucleotide (5'-3')	Antisense Oligonucleotide (5'-3')
MAK	GAAGCCAAGCAUGGGUGUtt <u>(SEQ ID NO: 110)</u>	AACACCCAUGCUUGGCUUCtt <u>(SEQ ID NO: 111)</u>
GPR86	AAACACUUU UGGUGGCCGACtt <u>(SEQ ID NO: 112)</u>	GUCGGCCACCAAAGUGUUUtt <u>(SEQ ID NO: 113)</u>
PCTAIRE	GUCAGUGCCCACAAAGACUtt <u>(SEQ ID NO: 114)</u>	AGUCUUUGUGGGCACUGACtt <u>(SEQ ID NO: 115)</u>
GRAF	GCGGAAGUUUGCAGAUUCCtt <u>(SEQ ID NO: 116)</u>	GGAAUCUGCAAACUUCCG Ctt <u>(SEQ ID NO: 117)</u>
MPSK1	GGGUUAUGCCCACAGAGACtt <u>(SEQ ID NO: 118)</u>	GUCUCUGUGGGCAUAACCCtt <u>(SEQ ID NO: 119)</u>
MPSK1seq2 ¹	GCCGACAUGCAUCGCCUCUtt <u>(SEQ ID NO: 120)</u>	AGAGGCGAUGCAUGUCGGCtt <u>(SEQ ID NO: 121)</u>
RBS6PK	CGUCCUGGAGUGACAA AUGtt <u>(SEQ ID NO: 122)</u>	CAUUUGUCACUCCAGGACGtt <u>(SEQ ID NO: 123)</u>

TLK2A ²	GUGUUCCACCAGUUGCACGtt (SEQ ID NO: 124)	CGUGCAACUGGUGGAACACtt (SEQ ID NO: 125)
TLK2B ²	GAUGGGCGUGUAGAGAUAGtt (SEQ ID NO: 126)	CUUAUCUCUACACGCCAUCtt (SEQ ID NO: 127)
EKI1	GCACUGGAUCCAAAGCAUGtt (SEQ ID NO: 128)	CAUGCUUUGGAUCCAGUGCtt (SEQ ID NO: 129)
MKNK	UACAUGGCCCUAGGUAGtt (SEQ ID NO: 130)	CUACCUCAGGGCCAUGUAtt (SEQ ID NO: 131)
MKNKseq2 ¹	AUUGCAAGGAGGUUCCAUCCtt (SEQ ID NO: 132)	GAUGGAAACCUCUUGCAAUtt (SEQ ID NO: 133)
NTKL	UGUGGAGCUGAUGAAGCACtt (SEQ ID NO: 134)	GUGCUUCAUCAGCUCCACAtt (SEQ ID NO: 135)
CDC42	GCUCAGCUUGAUGAUGCUGtt (SEQ ID NO: 136)	CAGCAUCAUCAAGCUGAGCtt (SEQ ID NO: 137)
RBSK	GACCUUCCGCUUACUCUGUtt (SEQ ID NO: 138)	ACAGAGUAAGCGGAAGGUtt (SEQ ID NO: 139)
EDG6	CAUCACCGCUGAGUGACCUGtt (SEQ ID NO: 140)	CAGGUCACUCAGCGUGAUGtt (SEQ ID NO: 141)
CNK/PRK	UCGUAGUGCUUGUACUUACtt (SEQ ID NO: 142)	GUAAGUACAAGCACUACGAtt (SEQ ID NO: 143)
CNK/PRKseq2 ¹	CAGAAAGACUGUGCACUACtt (SEQ ID NO: 144)	GUAGUGCACAGCUUUCUGtt (SEQ ID NO: 145)
MAPKK5	GAGGACAGGUUAAGCUGUGtt (SEQ ID NO: 146)	CACAGCUUAACCUGUCCUCtt (SEQ ID NO: 147)
P14KB	GCUACGGAAGCUGAUCCUCtt (SEQ ID NO: 148)	GAGGAUCAGCUUCCGUAGCtt (SEQ ID NO: 149)
FLT4	GUACGGCAACCUCUCCAACtt (SEQ ID NO: 150)	GUUGGGAGAGGUUGCCGUACtt (SEQ ID NO: 151)
PSKH1	GAACCUGCACCGCUCCAUAtt (SEQ ID NO: 152)	UAUGGAGCGGUGCAGGUUCtt (SEQ ID NO: 153)
PSKH1seq2 ¹	UUGGCCGAGGCAGCUUCAGtt (SEQ ID NO: 154)	CUGAACGCUGCCUCGGCCAAtt (SEQ ID NO: 155)
ITPKC	GUCCUGGGCUGAUAAACCUCtt (SEQ ID NO: 156)	GAGGUUAUCAGCCCAGGACtt (SEQ ID NO: 157)
ROCK	UACAUCCUGGUGGAGAUCAtt (SEQ ID NO: 158)	GAUCUCCACCAGGCAUGUAtt (SEQ ID NO: 159)
BAI2	GCUCUGCAGUAUGGCUGCCtt (SEQ ID NO: 160)	GGCAGCCAUCUGCAGAGCtt (SEQ ID NO: 161)
ULK1	UUCUGUCUACCUGGUUAUGtt (SEQ ID NO: 162)	CAUAACCAGGUAGACAGAAtt (SEQ ID NO: 163)
DAGK	GAUCGUGCAGAUGAGUAACtt (SEQ ID NO: 164)	GUUACUCAUCUGCACGAUCtt (SEQ ID NO: 165)

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STK6	GCCGGUUCAGAAUCAGAAGtt <u>(SEQ ID NO: 166)</u>	CUUCUGAUUCUGAACCGGCtt <u>(SEQ ID NO: 167)</u>
FLJ13551	CACCAAUUAGUUCAAAGCtt <u>(SEQ ID NO: 168)</u>	AGCUUUGAACUAAUUGGUGtt <u>(SEQ ID NO: 169)</u>
GPR12	AGCGCUCUGUCUCAUUUGCtt <u>(SEQ ID NO: 170)</u>	GCAAAUGAGACAGAGCGCUtt <u>(SEQ ID NO: 171)</u>
UK	AGCGCAAGACACUCUGUGGtt <u>(SEQ ID NO: 172)</u>	CCACAGAGUGUCUUGCACUtt <u>(SEQ ID NO: 173)</u>

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